NETWORK HEADER COMPRESSION ARRANGEMENT

ABSTRACT OF THE DISCLOSURE

For steady state voice data packet transmission between a mobile station and a packet data service node a new compressed TCP/IP header (160) concatenated with a compressed RTP/UDP header (4) is sent. This concatenated header is ~~three~~ seven bytes in length instead of the typical 40 byte long RTP/UDP/IP header. A new TCP header arrangement (30) transmits a special access code (161) to a Van Jacobson TCP/IP header compression/decompression arrangement (20). This allows the voice data packet to be transmitted to the receiving end without the other 33 bytes of header information. The PDSN regenerates the IP header and the receiving end then regenerates the RTP/UDP header (205) while it discards the new TCP header arrangement (30).